

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: May 18, 2002, 04:48:35 ; Search time 63.25 Seconds  
(without alignments)  
101.564 Million cell updates/sec

Title: US-09-719-748-2\_COPY\_13\_275  
Perfect score: 1343  
Sequence: 1 YDIGEELGSGQFAIVKCRE.....LVKETRRLTIOEALRHPWI 263

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep.\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep.\*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep.\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep.\*  
5: /cgn2\_6/ptodata/1/1aa/PTUS.COMB.pep.\*  
6: /cgn2\_6/ptodata/1/1aa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1121	83.5	454	2	US-09-159-385-1
2	1121	83.5	454	4	US-09-186-277-1
3	1106	82.4	448	4	US-09-159-385-2
4	1106	82.4	448	4	US-09-186-277-2
5	1079	80.3	331	4	US-08-810-712-24
6	1079	80.3	331	4	US-08-810-712-10
7	649	48.3	260	2	US-07-857-224B-23
8	571.5	42.6	261	2	US-07-857-224B-22
9	542.5	40.4	307	1	US-08-713-828-1
10	542.5	40.4	307	2	US-08-919-627-1
11	542.5	40.4	307	2	US-09-096-245-1
12	500	37.2	2860	2	US-08-826-267-2
13	492.5	36.7	343	2	US-08-878-989-5
14	492.5	36.7	343	4	US-09-272-796-5
15	489.5	36.1	370	4	US-08-715-568A-1
16	485	36.1	370	4	US-08-878-989-19
17	485	36.1	370	4	US-09-272-796-19
18	475	35.4	264	2	US-07-857-224B-18
19	474	35.3	264	2	US-07-857-224B-24
20	469	34.9	295	1	US-07-951-715A-23
21	469	34.9	295	3	US-08-459-448A-23
22	469	34.9	295	3	US-08-459-595A-23
23	469	34.9	295	3	US-08-459-504B-23
24	469	34.9	295	4	US-08-459-44A-23
25	469	34.9	295	4	US-09-547-422-23
26	462	34.4	463	1	US-07-951-715A-25
27	462	34.4	463	2	US-08-459-448A-25

28	462	34.4	463	3	US-08-459-595A-25	Sequence 25, Appl
29	462	34.4	463	3	US-08-459-504B-25	Sequence 25, Appl
30	462	34.4	463	3	US-08-459-44A-25	Sequence 0, Appl
31	462	34.4	463	4	US-09-547-422-25	Sequence 0, Appl
32	460	34.3	264	2	US-07-857-224B-19	Sequence 19, Appl
33	458.5	34.1	456	1	US-08-464-164-2	Sequence 2, Appl
34	458.5	34.1	456	1	US-08-338-057-2	Sequence 2, Appl
35	458.5	34.1	456	2	US-08-668-416-2	Sequence 2, Appl
36	458	34.1	625	4	US-09-347-801-18	Sequence 18, Appl
37	458	34.1	625	4	US-09-347-801-17	Sequence 17, Appl
38	457	34.0	633	4	US-09-347-801-4	Sequence 4, Appl
39	453	33.7	268	2	US-07-857-224B-20	Sequence 20, Appl
40	448	33.4	387	1	US-08-713-828-3	Sequence 3, Appl
41	448	33.4	387	2	US-08-919-627-3	Sequence 3, Appl
42	448	33.4	387	2	US-09-096-245-3	Sequence 3, Appl
43	439	32.7	268	2	US-07-857-224B-21	Sequence 21, Appl
44	439	32.7	464	1	US-07-951-715A-22	Sequence 22, Appl
45	439	32.7	464	2	US-08-459-448A-22	Sequence 22, Appl

#### ALIGNMENTS

```
RESULT 1
US-09-159-385-1
; Sequence 1, Application US/09159385
; Patent No. 5938748
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; APPLICANT: KAWAI, TARO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: PH-569
; CURRENT APPLICATION NUMBER: US/09/159,385
; CURRENT FILING DATE: 1998-09-23
; EARLIER APPLICATION NUMBER: JP97/261589
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-159-385-1

Query Match      83.5%  Score 1121; DB 2; Length 454;
Best Local Similarity 79.8%; Pred. No. 3.2e-92;
Matches 210; Conservative 36; Mismatches 17; Indels 0; Gaps 0;

QY 1 YDIGEELGSGQFAIVKCREKSTGLEVAARKIKRKQSRASRGVSRREIEREYSILAOVL 60
D 13 YEMGEELGSGQFAIVKCRQKGTGKEVAARKIKRKRLSSRGVSRREIEREYVILREIR 72
QY 61 HNNVITLHDVYENRSDVHILVELSGELFPFLAKOKESLSPEEATSFIKQLDGVNLT 120
D 73 HNNITLHDVYENRSDVHILVELSGELFPFLAKOKESLSPEEATSFIKQLDGVNLT 132
QY 121 KRIHFDLKPENIMLDKNIPPIKILDFGLAHEIDGVEFKNIFGTPFVAPDIYNYE 180
D 133 KRIHFDLKPENIMLDKNVPNPRIKILDFGLAHEIDGVEFKNIFGTPFVAPDIYNYE 192
QY 181 PLGLEADWMSIGVTITLLSGASPLDGTKEOTLANTSVSYDDEFEFTSLANDFI 240
D 193 PLGLEADWMSIGVTITLLSGASPLDGTKEOTLNTISAVYDDEFEFTSLANDFI 252
QY 241 RKLIVKTRKRLTIOEALRHPWI 263
D 253 RKLIVKTRKRLTIOEALRHPWI 275

RESULT 2
US-09-186-277-1
; Sequence 1, Application US/09186277
```

```

: Patent No.6171841
: GENERAL INFORMATION:
:
: APPLICANT: AKIRA, SHIZUO
:
: APPLICANT: KAMAI, TARO
:
: TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
:
: FILE REFERENCE: 081356/0128
:
: CURRENT APPLICATION NUMBER: US/09/186,277
:
: CURRENT FILING DATE: 1998-11-05
:
: EARLIER APPLICATION NUMBER: JP97/261589
:
: EARLIER FILING DATE: 1997-09-26
:
: NUMBER OF SEQ ID NOS: 8
:
: SOFTWARE: PatentIn Ver. 2.0
:
: SEQ ID NO: 1
:
: LENGTH: 454
:
: TYPE: PRT
:
: ORGANISM: Homo sapiens
:
US-09-186-277-1

```

Query Match	83.5%	Score 1121	DB 4	Length 454
Best Local Similarity	79.8%	Pred. No. 3,2e-92		
Matches	210	Conservative	36	Mismatches 17; Indels 0; Gaps 0;
QY	1	YDIGEELSGGFAIYKCKREKSTGLEIYAKFKKQSRASRGVRREIEREVSILROYL	60	
DB	13	YEMGELSSGGFAIYKCKRQKQKGTGKEYAKFKPKRRLLSSRGVAREEIEREVNLTREIR	72	
QY	61	HHNVTLTLDHVENRDVYHILIELVSGGELFDFLAKRESISEEATSFIKQILDGVNYLHT	120	
DB	73	HNITITLHDIFENKTDVYLLIELVSGGELFDFLAKRESITDEDAQFLQILDGVHYLHS	132	
QY	121	KKIAHFDLKPENIMLLDKNIPFPHKLDFGLAHEIEDGVCEKKNIFGPIPEFAPELVYNE	180	
DB	133	KRIAHFDLKPENIMLLDKNVPNPKRLIDFGIAHIEGNEKKNIFGPIPEFAPELVYNE	192	
QY	181	PLGTGADAMWSIGVITYIYLLSGASPELGDTRQETLANITSYXDFDEEFSHYSLEAKDPI	240	
DB	193	PLGTGADAMWSIGVITYIYLLSGASPELGETRQETLTNISAVNYDQDEBEYSNLSLEAKDPI	252	
QY	241	RKLIVKETRKRLLTIOELARHPWI	263	
DB	253	RRLVLKDEPRRRTTIAQSLSHSWI	275	

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RESULT 3
US-09-159-385-2
: Sequence 2, Application US/09159385
: Patent No. 5958748
: GENERAL INFORMATION:
: APPLICANT: KAMAI, TARO
: TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
: FILE REFERENCE: PH-569
: CURRENT APPLICATION NUMBER: US/09/159,385
: CURRENT FILING DATE: 1998-09-23
: EARLIER APPLICATION NUMBER: JP97/261589
: EARLIER FILING DATE: 1997-09-26
: NUMBER OF SEQ ID NOS: 8
: SOFTWARE: patentln Ver. 2.0
: SEQ ID NO 2
: LENGTH: 448
: TYPE: PRT
: ORGANISM: Mus musculus
US-09-159-385-2

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Query Match	82.4%	Score 1106	DB 2	Length 448
Best Local Similarity	79.5%	Pred. No. 6.8e-91		
Matches 209	Conservative 34	Mismatches 20	Indels 0	Gaps 0

Qy 1 YDGEELGSGGFIVKCRKREKSGLEVAAPKFKKROSASRPROVSREIEREREYSILROYL 60  
Db 13 YEGGEELGSGGFIVKCRKREKSGLEVAAPKFKKROSASRPROVSREIEREREYSILROYL 72

[illegible]

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; RESULT 4
; US-09-186-277-2
; Sequence 2, Application US/09186277
; Patent No. 6171841
; GENERAL INFORMATION:
; APPLICANT: KAKAI, TARO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: 081356/0128
; CURRENT APPLICATION NUMBER: US/09/186,277
; CURRENT FILING DATE: 1998-11-05
; EARLIER APPLICATION NUMBER: JP97/261589
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Mus musculus
; US-09-186-277-2

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[illegible]

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RESULT      5
US-08-810-712-24
; Sequence 24, Application US/08810712G
; Patent No. 6160106
; GENERAL INFORMATION:
; APPLICANT: Vega Research and Development Co. LTD
; TITLE OF INVENTION: Tumor Suppressor Genes, Proteins Encoded Thereby and
; TITLE OF INVENTION: Use of said Genes and Proteins

```

```

; FILE REFERENCE: sequencelist
; CURRENT APPLICATION NUMBER: US/08/810,712G
; EARLIER FILING DATE: 1997-03-03
; EARLIER APPLICATION NUMBER: PCT/US94/11598
; EARLIER FILING DATE: 1994-10-12
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 24
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-810-712-24

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Query Match      80.3% Score 1079; DB 4; Length 331;
Best Local Similarity 77.2%; Pred. No. 1.2e-88;
Matches 203; Conservative 39; Mismatches 13; Indels 8; Gaps 1;

```

```

OY 1 YDIGEELGSGFAIVKCKREKSTGLEVAAKFKRKRSRARGVSREIEREVSILROVL 60
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 13 YDIGEELGSGFAIVKCKREKSTGLEVAAKFKRKRSRARGVSREIEREVSILKEIQ 72
OY 61 HHNVITLHDVYENKTDVILILELVAGSELFDLQAKESLSEEAATSFKQILDGVNLT 120
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 73 HPNVITLHEVYENKTDVILILELVAGSELFDLQAKESLSEEAATFELKQILNGVYLHS 132
OY 121 KKIHFPLKPNIMLIDKNIPRIPIKILDFGLAHEIDGVFEKNIFGTPFEVAEIVNVE 180
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 133 LQIAHFDLKPENIMLIDKNVNPRIKIIDF-----GNFEKNIFGTPFEVAEIVNVE 184
OY 181 PLGLEADMSIGVITYILLGASPLDGTQKQETLANITSVSDPEEFSTSELANDFI 240
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 185 PLGLEADMSIGVITYILLGASPLDGTQKQETLANITSVAVNVEFEDEFSTMSALANDFI 244
OY 241 RKLIVKTRKRLTQDALRHPWI 263
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 245 RRLVKKPKKRMRTIODSLQHPWI 267

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RESULT 6
US-08-810-712-10
; Sequence 10, Application US/08810712G
; Patent No. 6160106
; GENERAL INFORMATION:
; APPLICANT: Yeda Research and Development Co. LTD
; TITLE OF INVENTION: Tumor Suppressor Genes, Proteins Encoded Thereby and
; FILE REFERENCE: sequencelist
; CURRENT APPLICATION NUMBER: US/08/810,712G
; CURRENT FILING DATE: 1997-03-03
; EARLIER APPLICATION NUMBER: PCT/US94/11598
; EARLIER FILING DATE: 1994-10-12
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 10
; LENGTH: 1423
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-810-712-10

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Query Match      80.3% Score 1079; DB 4; Length 1423;
Best Local Similarity 77.2%; Pred. No. 7.6e-88;
Matches 203; Conservative 39; Mismatches 13; Indels 8; Gaps 1;

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```

OY 1 YDIGEELGSGFAIVKCKREKSTGLEVAAKFKRKRSRARGVSREIEREVSILROVL 60
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 13 YDIGEELGSGFAIVKCKREKSTGLEVAAKFKRKRSRARGVSREIEREVSILKEIQ 72
OY 61 HHNVITLHDVYENKTDVILILELVAGSELFDLQAKESLSEEAATSFKQILDGVNLT 120
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 73 HPNVITLHEVYENKTDVILILELVAGSELFDLQAKESLSEEAATFELKQILNGVYLHS 132

```

```

OY 121 KKIHFPLKPNIMLIDKNIPRIPIKILDFGLAHEIDGVFEKNIFGTPFEVAEIVNVE 180
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 133 LQIAHFDLKPENIMLIDKNVNPRIKIIDF-----GNFEKNIFGTPFEVAEIVNVE 184
OY 181 PLGLEADMSIGVITYILLGASPLDGTQKQETLANITSVSDPEEFSTSELANDFI 240
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 185 PLGLEADMSIGVITYILLGASPLDGTQKQETLANITSVAVNVEFEDEFSTMSALANDFI 244
OY 241 RKLIVKTRKRLTQDALRHPWI 263
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 245 RRLVKKPKKRMRTIODSLQHPWI 267

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RESULT 7
US-07-857-224B-23
; Sequence 23, Application US/07857224B
; Patent No. 5958784
; GENERAL INFORMATION:
; APPLICANT: Benner, Steven A.
; TITLE OF INVENTION: Predicting Folded Structures of Proteins
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Steven A. Benner
; STREET: Hadlaubstrasse 151
; CITY: Zurich
; STATE: none
; COUNTRY: Switzerland
; ZIP: (note: this is an international post code) CH-8092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette, 1.4 Mb storage
; OPERATING SYSTEM: Macintosh 7.0
; SOFTWARE: Microsoft Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/857,224B
; FILING DATE: 03/25/92
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA: none
; TELEPHONE: (international) 41 1 632 2830
; TELEFAX: (international) 41 1 262 2437
; TELEX: none
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 260
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE:
; DESCRIPTION: protein
; ORIGINAL SOURCE:
; ORGANISM: chicken
; FEATURE: Protein Kinase; Table 8 Column 25
; PUBLICATION INFORMATION:
; AUTHORS:
; AUTHORS: Hanks, S. K.
; AUTHORS: Quinn, A. M.
; AUTHORS: Hunter, T.
; TITLE: The protein kinase family
; JOURNAL: Science
; VOLUME: 241
; PAGES: 42-52
; DATE: 1988
US-07-857-224B-23

```

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Query Match      48.3% Score 649; DB 2; Length 260;
Best Local Similarity 47.9%; Pred. No. 1.8e-50;
Matches 126; Conservative 48; Mismatches 81; Indels 8; Gaps 2;

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OY 1 YDIGEELGSGFAIVKCKREKSTGLEVAAKFKRKRSRARGVSREIEREVSILROVL 60
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 3 YNIEERLGSGRGQVFLVERKKTGVWAGKFFKAVASAK-----EKENIRDEISIMNCLH 56

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Query Match	42.68;	Score 571.5;	DB 2;	Length 261;
Best Local Similarity	43.18;	Pred. No. 1.5e-43;		
Matches 112;	Conservative 54;	Mismatches 85;	Indels 9;	Gaps 3

Query Match	40.4%	Score 542.5;	DB 1;	Length 307;
Best Local Similarity	44.6%;	Pred. No. 6.9e-41;		
Matches 103;	Conservative 58;	Mismatches 63;	Indels 7;	Gaps 5;

[illegible]

```

RESULT 10 *
US-08-919-627-1
Sequence 1, Application US/08919627
Patent No. 583981
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Goll, Surya K.
TITLE OF INVENTION: NOVEL HUMAN PHOSPHORYLASE
TITLE OF INVENTION: KINASE GAMMA SUBUNIT
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/919,627
FILING DATE: August 28, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/713,828
FILING DATE: September 13, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0068-1 DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-845-0555
TELEFAX: 650-845-4166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 307 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY:
CLONE: Consensus
US-08-919-627-1

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	Query Match	40.48;	Score 542.5;	DB 2;	Length 307;
	Best Local Similarity	44.68;	Pred. No. 6,9e+1;		
	Matches 103;	Conservative	58;	Mismatches 65;	Indels 7; Gaps 5.
Oy	38 RASRGVS-REIEFEVSLTROYLHN--VTLLDYENRTDVAHLETVSGELFD--E	92			
	:   :	:	:	:	:
b-	2 RRKRGQCCRMIIITHEIIVLT--ELADNPVNLTHVEYETASMIIVLTEAAGGSETFDDCV	60			
	:   :	:	:	:	:

Qy	93	LAQKESLSSEBATEFTICQILDGVVYLTAKIAHBDLKPEINIMLDDKIRIPHLKLD	FGL	152
	...	...	...	...
Db	61	ANREDAFEKXVDQRLMRIOEGVHFHTRDGVHDLDPOMILLTSES - PGADKIVDFGL		119
Qy	153	AHEIDGVEFKNIGTREPFAPELVNNEPGLGLEDMSIGVITYIILSGASPFGLD	KOE	212
	...	...	...	...
Db	120	SRICKNSEBELKMGTPYAPAPBLISDYPISMAWDMSIGVLYVMYLTGISPFGL	KOE	179
Qy	213	TLANTISVSYPDEEFPSHTSELKDFIRLLKLYETKRRKRLTIOEALRHPM		263
	...	...	...	...
Db	180	TPLINISQNNLSISEBEDVLSAVDITRLLVYKBPEDRATAEBCCLNHPM		230

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RESULT 11
US-09-096-245-1
; Sequence 1, Application US/09096245
; Patent No. 5977320
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Goll, Surya K.
; TITLE OF INVENTION: NOVEL HUMAN PHOSPHORYLASE
; TITLE OF INVENTION: KINASE GAMMA SUBUNIT
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/096,245
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/713,828
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0068 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 307 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE: Consensus
US-09-096-245-1

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Query Match	40.48;	Score 542.5;	DB 2;	Length 307;
Best Local Similarity	44.68%;	Pred. No. 6.9e-41;		
Matches 103;	Conservative 58;	Mismatches 63;	Indels 7;	Gaps 5;

  

QY	38	RASRRGVS-REIEIEREVSILROYLHNH--VILHLYENTRTVNHILLEVSGELFD--F	92
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Db	2	RRRRRGDGRMEIIEHIAVL-ELAODNPVIMLHEVEYETASMIIVLEYEAAGGELFDQCV	60
		:   :     : : :   :   :   : : :   :   :   :	
QY	93	LAQKSLSEBEETSTIKQLDGVNLTHTKKIHAFDLKRPENIMLLDKNIPRIPIKILDFGL	152
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Db	61	ANREDAFEKEKDVQRLMRQLGLEGHFLTRPDVVHDLKLPNNILTTSES-PLDGKIKYDFGL	119
		: : : : :   :   :   :   :   :   :   :   :   :	

us-09-719-748-2\_copy\_13\_275.ra1

Page 6

RESULT 12  
US-08-826-267-2  
; Sequence 2, Application US/08826267  
; Patent No. 5994070  
; GENERAL INFORMATION:  
; APPLICANT: Streuill, Michel  
; TITLE OF INVENTION: No. 5994070e1 TRIO Molecules and Uses Related Thereto

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1       ZIP: 02109-1875
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3       COMPUTER READABLE FORM:
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5       MEDIUM TYPE: Floppy disk
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7       COMPUTER: IBM PC compatible
8       OPERATING SYSTEM: PC-DOS/MS-DOS
9       SOFTWARE: PatentIn Release #1.0,
10      CURRENT APPLICATION DATA:
11      APPLICATION NUMBER: US/08/826,267
12
13      FILING DATE: 1997
14
15      CLASSIFICATION: 800
16
17      PRIOR APPLICATION DATA:
18      APPLICATION NUMBER: 60/014,214
19      FILING DATE: 27 MARCH (1996)
20
21      ATTORNEY/AGENT INFORMATION:
22
23      NAME: Amy E. Mandragouras
24      REGISTRATION NUMBER: 36,207
25      REFERENCE/DOCKET NUMBER: DFN-010
26      TELECOMMUNICATION INFORMATION:
27      TELEPHONE: (617)227-7400
28      TELEFAX: (617)227-5941
29
30      INFORMATION FOR SEQ ID NO: 2:
31
32      SEQUENCE CHARACTERISTICS:
33      LENGTH: 2860 amino acids
34      TYPE: amino acid
35      TOPOLOGY: linear
36
37      MOLECULE TYPE: protein
38
39      US-08-826-267-2

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Query Match	37.2%	Score 500;	DB 2;	Length 2860;
Best Local Similarity	38.8%	Pred. No. 7	3e-36;	
Matches 100; Conservative	57;	Mismatches 93;	Indels 8;	Gaps 2

Qy	6	ELUSGOFALVKKCKRCKSGLEFANKEILKKQSRASRNGVSREIEEVSIIILKQVLAHNVI	65
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Db	2565	ELGRGFEVKKCKDOKGRKRAVAKFVKKI-----MKRDVYTHELGILOSLOHPILV	26177
Qy	66	TLHDVYENRTDVVHILLETVSGGELEFDELPAOKESISEEATSFILQIOLDGVNLTFTKTAH	125
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Db	2618	GILDFETFTSYIIVLEMDQGRLLDCVVRGSGSTEGKIRAHGVELEVRIYALNCRIAH	26777
Qy	126	FDLKPENIMLDKNPIPIHKLIDFGLAHELEDVEEKNIEFGPEVAPEIYNVEPLGE	185
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Db	2678	LDIKPENI-LVDESLAKPPIKLABDGGVWVONTYYIHHQLGNPEERAAPEIILGNPVSIT	2736
Qy	186	ADMSISGVIYIILISGASGFLDTKQETLANITSVSYDPDEEFSHTSELANDIRKILV	245
		: : : : :             : : :         : : :         : : :         : : :	
Db	2737	SDTMSGVIYIIVLISGVSFFLDDSVEEELCNICGLDPSFPDYFKVGSQAKAEVCFELLO	2796
Qy	246	KETRRKRLTIOEALRHPWI	263

Db 2797 EDPAKRPSALALQEQWL 2814

RESULT 13  
US-08-878-989-5  
Sequence 5, Application US/088789895

GENERAL INFORMATION:  
APPLICANT: Bandman, Olga  
APPLICANT: Hillman, Jennifer L.  
APPLICANT: Corley, Neil C.  
APPLICANT: Guegler, Karl G.  
APPLICANT: Lal, Preeti  
APPLICANT: Goli, Surya K.  
APPLICANT: Shah, Purvi  
TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN KINASES  
TITLE OF INVENTION: KINASES  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto

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CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:

ATTORNEY/AGENT INFORMATION: ;  
FILING DATE: ;

REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0321 US

TELEPHONE: 415-855-0553  
TELEFAX: 415-845-4166

TELEX: ;  
INFORMATION FOR SEQ ID NO: 5 ;

SEQUENCE CHARACTERISTICS:  
LENGTH: 343 amino acid

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;
; TYPE: amino acid
STRANDEDNESS: single
MODS: none

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TOPLOG: linear  
IMMEDIATE SOURCE:  
LIBRARY: PROSNOT06

CLONE: 827431  
US-08-878-989-5

US-08-878-989-5

Query Match	36.78;	Score 492.5;	DB 2;	Length 343;
Best Local Similarity	39.68;	Pred. No. 2.3e-36;		
Matches 105; Conservative	55;	Mismatches 94;	Indels 11;	Gaps 4

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15 YEIRERIGSGATSEVLAQERGAHVALKCPKALRG---KEALVENIIVLRRI 69

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61 HHNVITLHDVYENRTDVVHILELVSGGELFDELAQKESESEATSFIKQILIDGVNVLHT 120

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QY      121 KKAHEDUKPENIMLLDKNIPHIKLI--DGLAHEIEDGVEFNIGTSEFAVAPELVN I 108  
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Sat May 18 15:09:10 2002

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DB	269	LVRKPYTNSVDMMALGYIAYILLSGTMEFEDDNRFTRLYROIILRGKYSYSGEPWPSVSNLA	328
QY	237	KDFIRKRLVKEERKRLTIOEALRHPWI	263
DB	329	KDFIDRLIVDPGARMTALQALRHPWV	355

Search completed: May 18, 2002, 04:48:36  
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